2 ~~84~~. An isolated nucleic acid molecule consisting of the nucleotide sequence of SEQ ID NO:4.

3 ~~85~~. An isolated nucleic acid molecule consisting of the nucleotide sequence of SEQ ID NO:8.

4 ~~86~~. An isolated nucleic acid molecule consisting of the nucleotide sequence of SEQ ID NO: 10.

5 ~~87~~. An isolated nucleic acid molecule consisting of the nucleotide sequence of SEQ ID NO:12.

E1 6 ~~88~~. An isolated nucleic acid molecule consisting of the nucleotide sequence of SEQ ID NO:14.

7 ~~89~~. An isolated nucleic acid molecule consisting of the nucleotide sequence of SEQ ID NO:62.

8 ~~90~~. An isolated nucleic acid molecule consisting of the nucleotide sequence of SEQ ID NO:64.

91. An isolated nucleic acid molecule encoding a B7-1 or B7-2 protein which binds to CD28 or CTLA4 and comprises an amino acid sequence of SEQ ID NO:2, wherein the nucleic acid molecule comprises a nucleotide sequence which hybridizes to a complement of a nucleic acid molecule consisting of SEQ ID NO:1 in 5X SSC and 0.5% SDS at 55 °C, followed by one or more washes in 2X SSC at 55 °C.

92. An isolated nucleic acid molecule encoding a B7-1 or B7-2 protein which binds to CD28 or CTLA4 and comprises an amino acid sequence of SEQ ID

NO:5, wherein the nucleic acid molecule comprises a nucleotide sequence which hybridizes to a complement of a nucleic acid molecule consisting of SEQ ID NO:4 in 5X SSC and 0.5% SDS at 55 °C, followed by one or more washes in 2X SSC at 55 °C.

93. An isolated nucleic acid molecule encoding a B7-1 or B7-2 protein which binds to CD28 or CTLA4 and comprises an amino acid sequence of SEQ ID NO:9, and does not comprising an amino acid sequence corresponding to an immunoglobulin variable region-like domain, wherein the nucleic acid molecule comprises a nucleotide sequence which hybridizes to a complement of a nucleic acid molecule consisting of SEQ ID NO:8 in 5X SSC and 0.5% SDS at 55 °C, followed by one or more washes in 2X SSC at 55 °C.

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94. An isolated nucleic acid molecule encoding a B7-1 or B7-2 protein which binds to CD28 or CTLA4 and comprises an amino acid sequence of SEQ ID NO:11, wherein the nucleic acid molecule comprises a nucleotide sequence which hybridizes to a complement of a nucleic acid molecule consisting of SEQ ID NO:10 in 5X SSC and 0.5% SDS at 55 °C, followed by one or more washes in 2X SSC at 55 °C.

95. An isolated nucleic acid molecule encoding a B7-1 or B7-2 protein which binds to CD28 or CTLA4 and comprises an amino acid sequence of SEQ ID NO:13, wherein the nucleic acid molecule comprises a nucleotide sequence which hybridizes to a complement of a nucleic acid molecule consisting of SEQ ID NO:12 in 5X SSC and 0.5% SDS at 55 °C, followed by one or more washes in 2X SSC at 55 °C.

96. An isolated nucleic acid molecule encoding a B7-1 or B7-2 protein which binds to CD28 or CTLA4 and comprises an amino acid sequence of SEQ ID NO:15, wherein the nucleic acid molecule comprises a nucleotide sequence which hybridizes to a complement of a nucleic acid molecule consisting of SEQ ID NO:14 in 5X SSC and 0.5% SDS at 55 °C, followed by one or more washes in 2X SSC at 55 °C.



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97. An isolated nucleic acid molecule encoding a B7-1 or B7-2 protein which binds to CD28 or CTLA4 and comprises an amino acid sequence of SEQ ID NO:63, and does not comprise an amino acid sequence corresponding to an immunoglobulin constant region-like domain, wherein the nucleic acid molecule comprises a nucleotide sequence which hybridizes to a complement of a nucleic acid molecule consisting of SEQ ID NO:62 in 5X SSC and 0.5% SDS at 55 °C, followed by one or more washes in 2X SSC at 55 °C.

98. An isolated nucleic acid molecule encoding a B7-1 or B7-2 protein which binds to CD28 or CTLA4 and comprises an amino acid sequence of SEQ ID NO:65, wherein the nucleic acid molecule comprises a nucleotide sequence which hybridizes to a complement of a nucleic acid molecule consisting of SEQ ID NO:64 in 5X SSC and 0.5% SDS at 55 °C, followed by one or more washes in 2X SSC at 55 °C.

99. An isolated nucleic acid molecule consisting of the nucleotide sequence of SEQ ID NO:6.

100. An isolated nucleic acid molecule consisting of the nucleotide sequence of SEQ ID NO:7.

## REMARKS

Claims 78-82 have been canceled. The cancellation of these claims should in no way be construed as an acquiescence by Applicants to any of the rejections of record involving these claims.

Claims 83 through 100 have been newly added. For the Examiner's convenience, an Appendix showing the pending claims (including the amendments presented herein) is attached hereto.